

## C-2

### BRICK GUTTER

#### Description

This work consists of furnishing and installing brick pavers on a concrete base for construction of brick gutters.

#### Materials



Mortar shall consist of one (1) part of portland cement and two (2) parts of concrete sand thoroughly mixed. Portland cement shall conform to AASHTO M 85. Fine aggregate shall conform to AASHTO M 6, Class B, except that the material passing the No. 200 sieve is limited to 3 percent. Fine aggregates shall have a minimum sand equivalent value of 75 when tested in accordance with AASHTO T 176, Alternate Method No. 2.

Paving brick shall consist of:

1. Brick shall comply with requirements of AASHTO-114, Grade S.W., Size 7 1/2" x 3 1/2" x 3 1/2".
2. Broken, chipped, cracked, warped, or under-burned brick will be rejected.
3. Brick color to match existing brick used in gutter along D.C. streets.

#### Submittals

Submit samples of brick for color range. Color to match other District of Columbia brick gutters.

#### Construction Requirements

A dry mixture of mortar shall be thoroughly mixed and spread upon the concrete base to a depth of not less than one half (1/2), nor more than one (1) inch, and regulated so as to be exactly parallel to the finished grade of the brick when laid. On the bed thus prepared, the brick shall be set on edge with the longest dimension at right angles to the curb line. The bricks must be laid closely together and settled to grade. The entire area shall be sprinkled with water and thoroughly grouted with a thin, easily flowing grout of one (1) part cement and two (2) parts sand. The grouting must be repeated until all joints between the bricks are filled.

At all intersections and sharp turns, expansion joint material shall be installed in the brick gutter at the tangent points and at the one-third (1/3) points on the arc between the tangent points. Where expansion joints are installed in the portland cement concrete base, expansion joint material of the same type shall be installed in the brick gutter at the same locations as those in the base; however, in all cases, expansion joint material shall be installed in the brick gutter at the tangent points and/or the one-third (1/3) points between the tangent points, as specified above.

Job Conditions: Do not lay brick when temperature of outside air is below 40 degrees F., unless approved means are provided to heat materials. Protect work from cold and frost to ensure mortar will harden without freezing.

Clean-up: Clean dirt and mortar stains from brick using approved method. Methods that cause discoloration will not be permitted.

### **Measurement**

Gutter will be measured by the linear foot at the finished grade elevation. The number of linear feet of brick gutter will be paid for at the unit price established herein, which will include the removal and disposal of excavated materials, furnishing, hauling, and placing new brick on the prepared cement and sand bed mix, PCC concrete base, and all labor, materials, tools, equipment, and incidentals necessary to complete the work as specified herein.

### **Payment**

The accepted quantities, measured as provided above, will be paid at the contract price per unit of measurement for the pay items listed below. Payment will be full compensation for the work prescribed in this section.

#### **Pay Item**

Brick

#### **Pay Unit**

Linear Foot

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